

Work Order ID 72606

Wednesday, August 03, 2011 1:12:40 PM



Page 1

Item ID: D4007-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Support

Start Date: 8/3/2011 Start Qty: 6.00



Cust Item ID:

Required Date: 8/8/2011 Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan:

U

Date:

11-08-3

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4007

A

100

0.00



Purchasing

Memo

0.00

Purchasing

Issue P/O: *14626*
Purchase part as per Dwg D4007
Possible Supplier: GFI
Material release note required

11-08-B

(6)

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

P 4/18/12

(6)

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

S wlos 15

(+6)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 72606

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Item ID: D4007-3

Accept



Setup Start



Revision ID:

Stop



Item Name: Support

Start Date: 8/3/2011 Start Qty: 6.00



Cust Item ID:

Required Date: 8/8/2011 Req'd Qty: 6.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Chemical Conversion Coat per QSI005 4.1

0.00



HandFinish

Memo

0.00

Hand Finishing

6 p 11/08/15

140

QC3- Inspect Part Finish

0.00



QC

Memo

0.00

Quality Control

6xØ m 11/08/15

150

Identify as per dwg & Stock Location: 107

0.00



Packaging

Memo

0.00

Packaging

11/8/16 sl 60

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 72606

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Item ID: D4007-3

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Setup Start



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Item Name: Support

Stop



Start Date: 8/3/2011 Start Qty: 6.00



Cust Item ID:

Required Date: 8/8/2011 Req'd Qty: 6.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/8/18
11-88-16
(6)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Wednesday, August 03, 2011 1:12:54 PM

Page 1

Work Order ID: 72606



Parent Item: D4007-3



Parent Item Name: Support



Start Date: 8/3/2011

Required Date: 8/8/2011

Start Qty: 6.00

Required Qty: 6.00

Comments: IPP rev A 09.12.18 new Issue Prelim EC verified: DD IPP Rev:B
10.05.03 as per ECN10-562 DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4007-3P  Support		Purchased	No			110	Each	0.0000	1 	6		<i>Pull 8/12</i> (6)	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

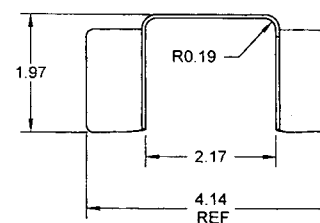
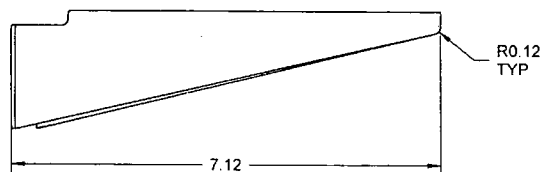
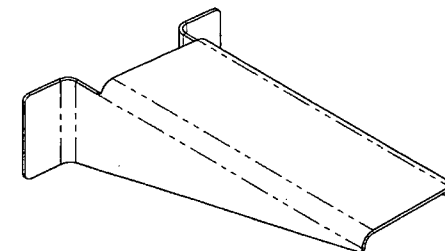
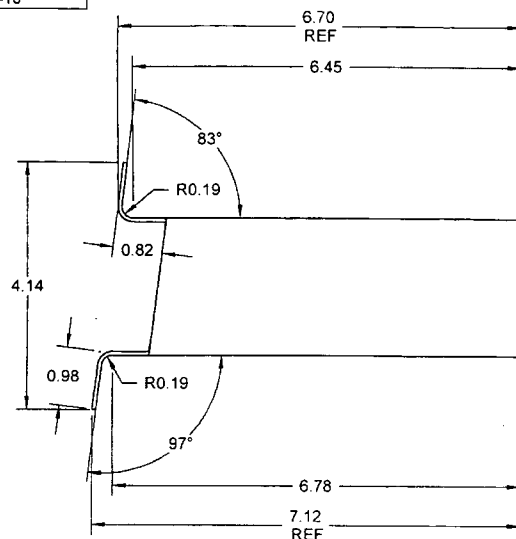
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4007-3	JCA-M47-2-18



D4007-3 TOP SUPPORT BRACKET

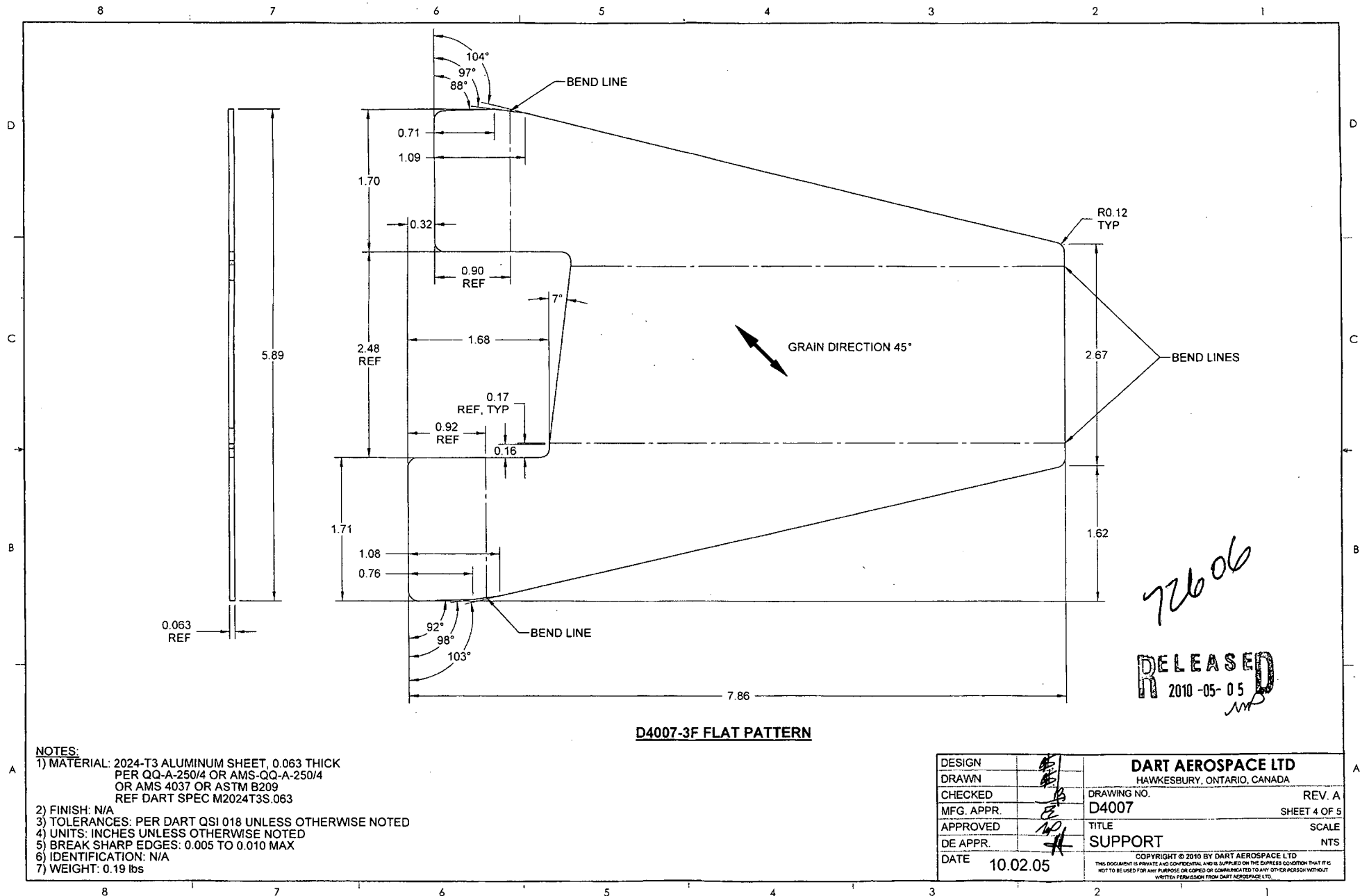
NOTES:

- 1) MATERIAL: MADE FROM D4007-3F
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4007-3" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 0.19 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4007	SHEET 3 OF 5
APPROVED		TITLE	SCALE
DE APPR.		SUPPORT	NTS
DATE	10.02.05	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

72606

RELEASED
2010-05-05
JMD





Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO14620

Purchase Order Date 8/3/2011

PO Print Date 8/4/2011

Page Number 1 of 1

Order From :

VC-GFI001

GFI
180 AVENUE LABROSSE
POINTE CLAIRE, QC H9R 1A1
CA

Contact Name

Vendor Phone 514 630 4877

Vendor Fax 514 630 4849

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req. Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	D4007-3P	Support	8/17/2011 Yes	6.00 Each	FedEx Overnight	\$110.0000	\$660.00

Special Inst: As per DWG:D4007 Rev:A
B72606

PO Total: \$660.00

PO Instructions: RUSH ORDER< PLEASE SHIP ASAP

Change Nbr: 3

Change Date: 8/4/2011

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.:(514) 630-4877 - FAX:(514) 630-4849

GFI est une division de Thomas & Betts Fabrication Inc. / GFI is a division of Thomas & Betts Manufacturing Inc.



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO.		PAGE
JR - DY	MO - MO	AN - YR			
09	08	11	0467443		1/1



ENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE	N° DE CONTRAT / JOB NO.	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO.	EXPÉDIÉ PAR / SHIP VIA
DART GFI-0299	0235224	PO14620	

QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO.	DESCRIPTION
6	D4007-3P	SUPPORT CERTIFICATE OF CONFORMANCE REQ
MFG. JOB# <u>J0235224 - 001</u> QTY <u>6 pcs</u>		
EXPÉDITEUR / SHIPPER		N° DE BON DE LIVRAISON / SHIPPING MEMO NO.



REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO.	<u>3</u>	OUR JOB NO	<u>J0235224</u>	SHIPPING MEMO	<u>0467443</u>	
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>-</u>	<u>6 PCS</u>	<u>PO14620</u>	<u>D4007-3P</u>		<u>SUPPORT</u>	<u>A</u>
MATERIAL		SUPPLIED BY		MAT. REL. NO.		
<u>.063 THK AL 2024-T3 (AMS-QQ-A-250/4)</u>		<u>SAMUEL / KAISER ALUMINUM</u>		<u>551172A0</u>		
	PROCESS	PROCESSOR	RELEASE NOTE #			
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>	<u>N/A</u>			
2	<u>REF. GFI MANUFACTURING JOB NUMBER J0235224-001 (6 PCS)</u>					
3	<u>MATERIAL CERTIFICATION ATTACHED</u>					
4						
5						
6						
7						
8						
9						

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 10 AUGUST 2011

G.F.I. Q.C. REP

Calvin H. and M.



**LES MÉTAUX
SPÉCIALISÉS
SAMUEL**

Programme d'Assurance Qualité Enregistré / Registered Q.A. Program
ISO 9001:2008 + AS9100B

LETTRE DE CONFORMITÉ - LETTER OF COMPLIANCE

Date: July 12, 2011

Company Name: GFI Division of Thomas & Betts limited
Address: 180 avenue Labrosse
City: Pointe-Claire Qc
Zip Code: H9R 1A1

du client: 0078831

Customer's order #:

de commande SSMQ: 548801
SSMQ's Order #:

La présente est pour certifier que le matériel détaillé ci-dessous est conforme aux exigences de votre commande et des normes du grade tel que décrit:

The following is to certify that the material listed below meets your order requirements and grade standards as described:

Notre/Our Item #	# de pièces/ # of pieces	Épaisseur/Grandeur Guage/Size	Alliage/Trempe Alloy/Temper	Spécification / Specification	Lot/Heat
01	1	.063" X 48" X 144"	2024 T3	AMS-QQ-A-250/4	551172A0

Bien à vous,
Yours truly,




LES MÉTAUX SPÉCIALISÉS SAMUEL, 21525 CLARK-GRAHAM, BAIE D'URFÉ, QUÉBEC H9X 3T5
SAMUEL SPECIALITY METALS, 21525 CLARK-GRAHAM, BAIE D'URFÉ, QUÉBEC H9X 3T5

TÉL: 514-457-3399
FAX: 514-457-9393

LET. DE. COM 21/09/10

SHIP TO:

SAMUEL BAIE D'URFE(SHIP TO)
21525 CLARK-GRAHAM
BAIE D'URFE, PQ, CA H9X 3T5

SOLD TO:

SAMUEL LAVAL
2225 FRANCIS HUGHES
LAVAL, PQ, CA H7S1N5

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4229676

CUSTOMER PO NUMBER: C63666		WORK PACKAGE:		CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 102074/2		GOV'T CONTRACT NUMBER:	
KAISER ORDER NO: 1115472	LINE ITEM: 2	SHIP DATE: 16-JUN-2011	ALLOY: 2024	CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: HT Flat Sheet			
WEIGHT SHIPPED: 6645 LB	QUANTITY: 148 PCS EST.	B/L NUMBER: 2032495	GAUGE: 0.0630 IN		DIAMETER/WIDTH: 48.000 IN		LENGTH: 144.000 IN		

Certified Specifications

AMS 4037/RevN
CMMP 019/RevD

AMS-QQ-A-250/4/RevA
CMMP 025/RevT

ASTM B 209/Rev07

Test Code: 1504

Test Results

Lot: 551172A0 Cast 535

Drop 15

Ingot 2

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper Dir / # Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %
T3 LT / 2 (Min:Max) 68.8 : 69.1 45.3 : 45.4 18.5 : 18.6
(474 : 476) (312 : 313)

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.11	0.28	4.5	0.62	1.3	0.01	0.13	0.02	0.01	0.00	TOT 0.05

Lot: 551254A6 Cast 535

Drop 13

Ingot 5

Melted in USA

(ASTM E8/B557)
(EN 2002-1)

Tensile: Temper Dir / # Tests Ultimate KSI (MPA) Yield KSI (MPA) Elongation %
T3 LT / 2 (Min:Max) 68.6 : 68.9 45.1 : 45.5 18.5 : 19.5
(473 : 475) (311 : 314)

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.11	0.25	4.6	0.61	1.3	0.01	0.15	0.02	0.01	0.00	TOT 0.05

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4229676

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder

CERTIFICATION

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN COMFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTIRES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.



BILL POYNOR, LABORATORIES SUPERVISOR